(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 13 July 2000 (13.07.2000)

PCT

(10) International Publication Number WO 00/40228 A3

- (51) International Patent Classification⁷: A61K 31/4745, A61P 15/02
- (21) International Application Number: PCT/US00/00370
- (22) International Filing Date: 7 January 2000 (07.01.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/115,253 8 January 1999 (08.01.1999) US
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- (81) Designated States (national): AE, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- (88) Date of publication of the international search report: 5 April 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



A3

(54) Title: FORMULATIONS COMPRISING IMIQUIMOD OR OTHER IMMUNE RESPONSE MODIFIERS FOR TREATING MUCOSAL CONDITIONS

(57) Abstract: Immune response modifier (IRM) compounds - imidazoquinoline amines, imidazopyridine amines, 6,7-fused cycloalkylimidazopyridine amines, 1,2-bridged imidazoquinoline amines, thiazolo- and oxazolo- quinolinamines and pyridinamines, imidazonaphthyridine and tetrahydroimidazonaphthyridine amines - are useful for the treatment of conditions at and below the mucosal surfaces by administering a therapeutically effective amount of such compounds to the mucosal surface. Novel pharmaceutical formulations are provided. In one embodiment, the pharmaceutical formulations are advantageous for treatment of cervical conditions such as cervical dysplasias including cervical intraepithelial neoplasias.

Intern Application No
PCT/US 00/00370

		PC1/05 00/003/0
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1988 HARRISON C J ET AL: "MODIFICATION OF IMMUNOLOGICAL RESPONSES AND CLINICAL DISEASE DURING TOPICAL R-837 TREATMENT OF GENITAL HSV-2 INFECTION" Database accession no. PREV198987085969 XP002148629 abstract & ANTIVIRAL RESEARCH, vol. 10, no. 4-5, 1988, pages 209-224, ISSN: 0166-3542	1-4
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Х,Ү	CHOLLET J L ET AL: "DEVELOPMENT OF A TOPICALLY ACTIVE IMIQUIMOD FORMULATION" PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, NEW YORK, NY, US, vol. 4, no. 1, January 1999 (1999-01), pages 35-43, XP000900717 ISSN: 1083-7450 abstract page 41, left-hand column		1-22
Y	DITTGEN M ET AL: "ACRYLIC POLYMERS. A REVIEW OF PHARMACEUTICAL APPLICATIONS" STP PHARMA PRATIQUES, PARIS, FR, vol. 7, no. 6, 1997, pages 403-437, XP00090605 ISSN: 1157-1497 page 421, left-hand column, paragraph 4		1-22

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The expression "immune response modifier" and the generic chemical groups mentioned in the independent claims 1, 6, 14, 15 and 21 encompass an extremely large number of compounds. Furtermore, the only compound supported by the description is imiquimod (first mentioned in claim 2). In view of this lack of clarity (Art. 6 PCT) and support (Art. 5 PCT) a complete search was not possible. The search had to be limited to the two specific compounds mentioned in the claims.

Although the subject-matter of claims 15-22 constitutes a separate invention, directed to a specific pharmaceutical composition, an objection of lack of unity is not raised, in view of the fact that this matter could be searched without a major additional effort.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Anormation on patent family members

Intern_i al Application No PCT/US 00/00370

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Interna Application No PCT/US 00/00370

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/4745 A61P15/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ A61K \ A61P$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 24436 A (MINNESOTA MINING & MFG) 11 June 1998 (1998-06-11) abstract page 5, line 22-30; claims 20-23	1,3-6,8, 14
X	WO 97 41884 A (PHARMA PACIFIC PTY LTD) 13 November 1997 (1997-11-13) page 8, line 22 -page 9, line 2; claims 1,22,34	1,2
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 "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 16 October 2000	Date of mailing of the international search report $10/11/2000$		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Orviz Diaz, P		